

Technical Attachment

**85<sup>th</sup> American Meteorological Society Annual Meeting**

January 9-13, 2005  
San Diego, California

Papers and Posters Authored or Co-authored by NWS Southern Region Participants

Ninth Symposium on Integrated Observing and Assimilation Systems for the  
Atmosphere, Oceans, and Land Surface (IOAS-AOLS)

*Assimilation of multi-satellite high resolution sea surface temperatures for a real-time local analysis and forecasting system*, by Corey G. Calvert and S. M. Lazarus (Florida Institute of Technology), Pablo Santos (WFO Miami), and David Sharp, Peter Blottman and Scott Spratt (WFO Melbourne).

*The effect of using AWIPS LAPS and high resolution SSTs to locally initialize the workstation ETA*, by Brian Etherton (University of North Carolina), Pablo Santos (WFO Miami), S. Lazarus and C. Calvert (Florida Institute of Technology).

14th Symposium on Education

*Lightning safety for schools: An update*, by James B. Lushine (WFO Miami), and W.P. Roeder and R.J. Vavrek (45<sup>th</sup> Weather Squadron, Patrick AFB).

21st International Conference on Interactive Information Processing Systems (IIPS) for  
Meteorology, Oceanography, and Hydrology

*Video Hurricane Local Statement*, by Dennis Feltgen and Andrew Devanas (WFO Key West).

*The graphical severe weather warning initiative at the Fort Worth National Weather Service*, by William Bunting and L. Bucklew (WFO Fort Worth), Paul Kirkwood (SRH/CWWD/DET), and S. Rae.

*National Weather Service River Forecast Center forecast simulations using the WES Simulating Hydrologic Activities during Real-time Events (SHARE)*, by Eric Jones, A. Roberts and D. Reed (Lower Mississippi RFC, Slidell).

*An overview of GIS projects and applications at Southern Region River Forecast Centers*, by Keith Stellman (SRH/SSD), D. Welch, M. Love, P. McKee, and J. Atwell.

## Conference on Meteorological Applications of Lightning Data

*The Incorporation of lightning climatologies into the Interactive Forecast Preparation System (IFPS)*, by Andrew I. Watson, T.J. Turnage and P.E. Shafer (WFO Tallahassee), J.R. Stroupe (WFO Birmingham), and T.P. Lericos (WFO Spokane) and H.E. Fuelberg (Florida State University).

*A statistical procedure to forecast the daily amount of warm season lightning in south Florida*, by Phillip E. Shafer (WFO Tallahassee) and H.E. Fuelberg (Florida State University).

*NWS cloud-to-ground lightning threat analysis*, by Nicole M. Kempf and G. E. Wiley (WFO Tulsa).

*Operational applications of lightning data at WFO Melbourne, FL: A 15-year retrospective*, by David W. Sharp (WFO Melbourne).

*Assessments of total lightning data utility in weather forecasting*, by Dennis E. Buechler (University of Alabama in Huntsville), S. Goodman, K. La Casse and R. Blakeslee (NASA Marshall Spaceflight Center, Huntsville), and Christopher Darden (WFO Huntsville).

*A comparison of lightning flash rate to rainfall over Florida*, by Julie A. States, Charles Paxton, Frank Alsheimer and Jessica L. Fieux (WFO Tampa Bay Area).

*Florida lightning deaths and injuries 1998-2003 and mitigation strategies using lightning data*, by Jessica L. Fieux, R.J. Sharp, C.H. Paxton and J.A. States (WFO Tampa Bay Area).

*The Integration of Total Lightning information into National Weather Service operations*, by Christopher Bryan Darden, P.V. Bridenstine and J.E. Burks (WFO Huntsville), S.J. Goodman and D.E. Buechler (NASA Marshall Spaceflight Center, Huntsville), and J.T. Bradshaw (SRH/CWWD).

*The application of Total Lightning data in the warning decision making process*, by Priscilla V. Bridenstine, C.B. Darden and J. Burks (WFO Huntsville), and S.J. Goodman (NASA Marshall Spaceflight Center, Huntsville).

*Use of lightning data for Space Shuttle and Soyuz re-entry and landing forecasts at Johnson Space Center*, by Timothy D. Oram, T. Garner and B. Hoeth (NWS/NASA Spaceflight Meteorology Group, Johnson Space Center, Houston).

*Relationships between total lightning and storm strength using data from the north Alabama Lightning Mapping Array (LMA)*, by Jessica R. Stroupe, M.W. Rose and K.J. Pence (WFO Birmingham).

Sixth Conference on Coastal Atmospheric and Oceanic Prediction and Processes

*Modeling coastal rivers operationally: A case study in the St. Johns River, Fla*, by Reggina Cabrera Garza (Southeast River Forecast Center, Atlanta), and J. Sylvestre and M. Watts (NWSH Office of Hydrology).

16th Conference on Climate Variability and Change

*Toward greater understanding of inter-seasonal and multi-decadal variability and extremes of extratropical storminess in Florida*, by Bartlett C. Hagemeyer (WFO Melbourne) and J.R. Almeida.